OIPE

RAW SEQUENCE LISTING   DATE: 03/24/2003
PATENT APPLICATION: **US/09/957,458A**   TIME: 13:43:57

Input Set : **A:\09957458.ST25.txt**
Output Set: **N:\CRF4\03242003\I957458A.raw**

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 3 <110> APPLICANT: chen, una
 5 <120> TITLE OF INVENTION: Method for growing stem cells
 7 <130> FILE REFERENCE: P66567USO
 9 <140> CURRENT APPLICATION NUMBER: US 09/957,458A
10 <141> CURRENT FILING DATE: 2001-09-21
12 <150> PRIOR APPLICATION NUMBER: PCT/EP00/08247
13 <151> PRIOR FILING DATE: 2000-08-24
15 <150> PRIOR APPLICATION NUMBER: EP 99116533
16 <151> PRIOR FILING DATE: 1999-08-24
18 <160> NUMBER OF SEQ ID NOS: 10
20 <170> SOFTWARE: PatentIn version 3.2
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23 <211> LENGTH: 7969
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59 <223> OTHER INFORMATION: n is a, c, g, or t
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
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[Handwritten annotations:] 1,6

Does Not Comply
Corrected Diskette Needed

(variation) insufficient response — give source of genetic material. See item 11 on Error Summary Sheet

Please correct any similar errors in subsequent sequences.

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Input Set : A:\09957458.ST25.txt
Output Set: N:\CRF4\03242003\I957458A.raw

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 66 <220> FEATURE:
 67 <221> NAME/KEY: misc_feature
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 69 <223> OTHER INFORMATION: n is a, c, g, or t
 71 <220> FEATURE:
 72 <221> NAME/KEY: misc_feature
 73 <222> LOCATION: (792)..(792)        /
 74 <223> OTHER INFORMATION: n is a, c, g, or t
 76 <220> FEATURE:
 77 <221> NAME/KEY: misc_feature
 78 <222> LOCATION: (834)..(834)        /
 79 <223> OTHER INFORMATION: n is a, c, g, or t
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 83 <222> LOCATION: (858)..(858)        /
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 88 <222> LOCATION: (863)..(863)
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 93 <222> LOCATION: (874)..(874)        /
 94 <223> OTHER INFORMATION: n is a, c, g, or t
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Input Set : A:\09957458.ST25.txt
Output Set: N:\CRF4\03242003\I957458A.raw

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144 <223> OTHER INFORMATION: n is a, c, g, or t
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166 <220> FEATURE:
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183 <222> LOCATION: (1040)..(1041)
184 <223> OTHER INFORMATION: n is a, c, g, or t
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RAW SEQUENCE LISTING   DATE: 03/24/2003
PATENT APPLICATION: **US/09/957,458A**   TIME: 13:43:57

Input Set : **A:\09957458.ST25.txt**
Output Set: **N:\CRF4\03242003\I957458A.raw**

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186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: (1047)..(1047)
189 <223> OTHER INFORMATION: n is a, c, g, or t
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198 <222> LOCATION: (1066)..(1066)
199 <223> OTHER INFORMATION: n is a, c, g, or t
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203 <222> LOCATION: (1068)..(1068)
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208 <222> LOCATION: (1070)..(1070)
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211 <220> FEATURE:
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213 <222> LOCATION: (1076)..(1076)
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218 <222> LOCATION: (1104)..(1104)
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221 <220> FEATURE:
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224 <223> OTHER INFORMATION: n is a, c, g, or t
226 <220> FEATURE:
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229 <223> OTHER INFORMATION: n is a, c, g, or t.
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234 <223> OTHER INFORMATION: n is a, c, g, or t
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239 <223> OTHER INFORMATION: n is a, c, g, or t
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244 <223> OTHER INFORMATION: n is a, c, g, or t
246 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 03/24/2003
PATENT APPLICATION: **US/09/957,458A**   TIME: 13:43:57

Input Set : **A:\09957458.ST25.txt**
Output Set: **N:\CRF4\03242003\I957458A.raw**

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248 <222> LOCATION: (1133)..(1133)
249 <223> OTHER INFORMATION: n is a, c, g, or t
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253 <222> LOCATION: (1138)..(1138)
254 <223> OTHER INFORMATION: n is a, c, g, or t
256 <220> FEATURE:
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258 <222> LOCATION: (1149)..(1149)
259 <223> OTHER INFORMATION: n is a, c, g, or t
261 <220> FEATURE:
262 <221> NAME/KEY: misc_feature
263 <222> LOCATION: (1153)..(1153)
264 <223> OTHER INFORMATION: n is a, c, g, or t
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (1169)..(1174)
269 <223> OTHER INFORMATION: n is a, c, g, or t
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272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: (1664)..(1668)
274 <223> OTHER INFORMATION: n is a, c, g, or t
276 <400> SEQUENCE: 1
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     279 tgtgacggtc cttacaatga aatgcanctg ggttatcttc ttcctgatgg caggggttac  120
     281 aggtaagggg ctcccaagtc ccaaacttga gggtccataa actctgtgac agtggcaatc  180
     283 actttgcctt tctttctaca ggggtgaatt cggctttcac agagcattca ccgctgaccc  240
     285 ctcaccgtcg ggacctctgt agccgctcta tctggctagc aaggaagatt cgttcagacc  300
     287 ttgactgctc ttacggaatc ctatgtaagt tgcctatttt gctgttatct gttttccctt  360
     289 catctttttt gatccagcaa cttaccatca cgcatcagct ccattaccaa ttgtgaaagc  420
     291 tctaatcata tagtcattca tataggttat ttgacatggg cccttccctt gaggaaaccc  480
     293 atgtgacttt attttcttcc tctgggctgt ttaggagatg aagttacttg aatgagaaaa  540
     295 tatatatgga gttctagaaa ggattggttt atatgtcttg gaggctattt caaaatttat  600
     297 ttggccatat attctgaata ctacctagaa cagattagcc atgggccctn tgggttnttc  660
     299 ataagccatt gttctgaant tttttagctt tgtaaatgaa aggtttatgg gataggaaga  720
     301 gtnctatgaa cgtgggagga atttgtaaat cctaccaatt tntnctatat agcattagcc  780
     303 cccacctttt antattctgc atcaaaagta agattgtgtc taaagagaaa ggtnagctat  840
     305 caaaaggact cctataanat tcnttggaaa cttntggaan tgtcaaattt ntttgagcta  900
     307 attnttggag ttccaaantt tgtcttntna cagtnaaggg ggancccat tcanatttnc  960
     309 cccctnnng anaatgcttg ggggaaaaaa cctnccaacc ccnttgtggg angaagtttt 1020
     311 tttaannttt taaggctngn ngaaacnggn ttttaatttt ttgggncnan cgcctntccc 1080
     313 cggtaccagg aaaatcagga cctnttttg gggnngngcn ccnacngggg ggnaaaangg 1140
     315 gaaatttcnt canaaaaat cttttccgnn nnnngtgaag catcagggcc tgaacaagaa 1200
     317 catcaacctg gactctgcgg atgggatgcc agtggcaagc actgatcagt ggagtgagct 1260
     319 gaccgaggca gagcgactcc aagagaacct tcaagcttat cgtaccttcc atgttttgtt 1320
     321 ggccaggctc ttagaagacc agcaggtgca ttttaccccca accgaaggtg acttccatca 1380
     323 agctatacat acccttcttc tccaagtcgc tgcctttgca taccagatag aggagttaat 1440
     325 gatactcctg gaatacaaga tcccccgcaa tgaggctgat gggatgccta ttaatgttgg 1500
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/24/2003
PATENT APPLICATION: US/09/957,458A   TIME: 13:43:58

Input Set : A:\09957458.ST25.txt
Output Set: N:\CRF4\03242003\I957458A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:1; N Pos. 39,40,41,87,650,657,679,728,762,764,792,834,858,863,874,880
Seq#:1; N Pos. 891,904,918,927,929,935,944,954,959,967,968,969,972,994,1003
Seq#:1; N Pos. 1012,1026,1027,1038,1040,1041,1047,1050,1066,1068,1070,1076
Seq#:1; N Pos. 1104,1114,1115,1117,1120,1123,1126,1133,1138,1149,1153,1169
Seq#:1; N Pos. 1170,1171,1172,1173,1174,1664,1665,1666,1667,1668
Seq#:3; N Pos. 35,36,82,645,652,674,718,757,759,787,829,853,858,869,875,886
Seq#:3; N Pos. 899,913,922,924,930,939,949,954,962,963,964,967,989,998,1007
Seq#:3; N Pos. 1021,1022,1033,1035,1036,1042,1045,1061,1063,1065,1071,1099
Seq#:3; N Pos. 1109,1110,1112,1115,1118,1121,1128,1133,1144,1148,1164,1165
Seq#:3; N Pos. 1166,1167,1168,1169,1659,1660,1661,1662,1663
Seq#:6; N Pos. 466,467,468,469,470,471,472,473,474,475,476,2280,2281,2282
Seq#:6; N Pos. 2283,2284,2285,2286,2287,2288,2289,2290
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